## AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application.

- 1. (Original) A device for separating a biological component, which comprises magnetically responsive particles and a chip obtained by adhering a pair of substrates, which comprise one or multiple grooves formed on at least one surface thereof, with the groove(s) placed inside.
- 2. (Original) The device of claim 1, wherein said groove forms, within the chip, at least one compartment and a flow passage communicating with the compartment.
- 3. (Original) The device of claim 2, wherein said groove has a protrusion protruding into the compartment.
- 4. (Currently Amended) The device of any of claims 1 to 3 claim 1, wherein the biological component is a nucleic acid.
- 5. (Original) The device of claim 4, wherein the magnetically responsive particles further comprise silica.
- 6. (Currently Amended) A method of separating a biological component from a liquid sample comprising the biological component, which uses a device of any of claims 1 to 3 claim 1, and comprises the following steps (a) (d):
- (a) a step of holding the device such that the adhesion surface of the pair of substrates is about perpendicular to the horizontal direction,
- (b) a step of adsorbing the biological component to magnetically responsive particles by contacting the magnetically responsive particles with the liquid sample containing the biological component,
- (c) a step of separating the magnetically responsive particles comprising the biological component adsorbed thereto from the liquid sample, and

- (d) a step of separating the biological component from the magnetically responsive particles.
- 7. (Original) The method of claim 6, wherein the magnetically responsive particles comprise ferromagnetic particles.
- 8. (Currently Amended) The method of claim 6 or 7, wherein the step (c) is performed by moving the magnetically responsive particles by application of a magnetic field.
- 9. (Currently Amended) The method of any of claims 6 to 8 claim 6, wherein the step (d) is performed by dissolving the biological component in a solvent.
- 10. (Currently Amended) The method of any of claims 6 to 9 claim 6, wherein the step (d) comprises a step of separating the biological component from the magnetically responsive particles by applying an electric field.
- 11. (Currently Amended) The method of any of claims 6 to 10 claim 6, wherein at least one of the steps is automatically controlled.
- 12. (Currently Amended) The method of any of claims 6 to 11 claim 6, wherein the biological component is a nucleic acid.
- 13. (Original) The method of claim 12, wherein the magnetically responsive particles further comprise silica.